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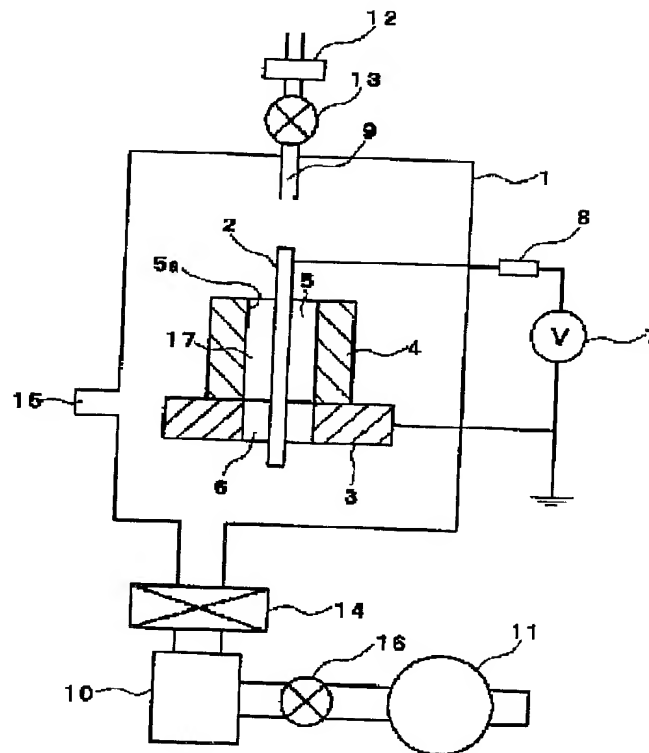
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TITLE : FORMATION OF HYDROGENATED
AMORPHOUS THIN FILM, DEVICE
USED THEREFOR, GAS DYNAMIC
PRESSURE BEARING IN WHICH THE
THIN FILM IS FORMED, SPINDLE
MOTOR AND ROTOR DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To uniformly cover and form a hydrogenated amorphous thin film on the inner circumferential face of a recessed depression part at the time of subjecting a body to be treated having a recessed depression part to thin film forming treatment by a plasma CVD method.

SOLUTION: A body 4 to be treated stored in a vacuum tank 1 is placed to be supported onto the upper face of a planar electrode 3, a rod-shaped electrode 2 is inserted into the recessed depression part 5 of the body 4 to be treated, a reaction gas is introduced into the vacuum tank 1, and voltage is applied thereto. Plasma is generated in the recessed depression part 5, and a hydrogenated amorphous thin film uniformly covers and formed on the inner circumferential face 5a of the recessed depression part.

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